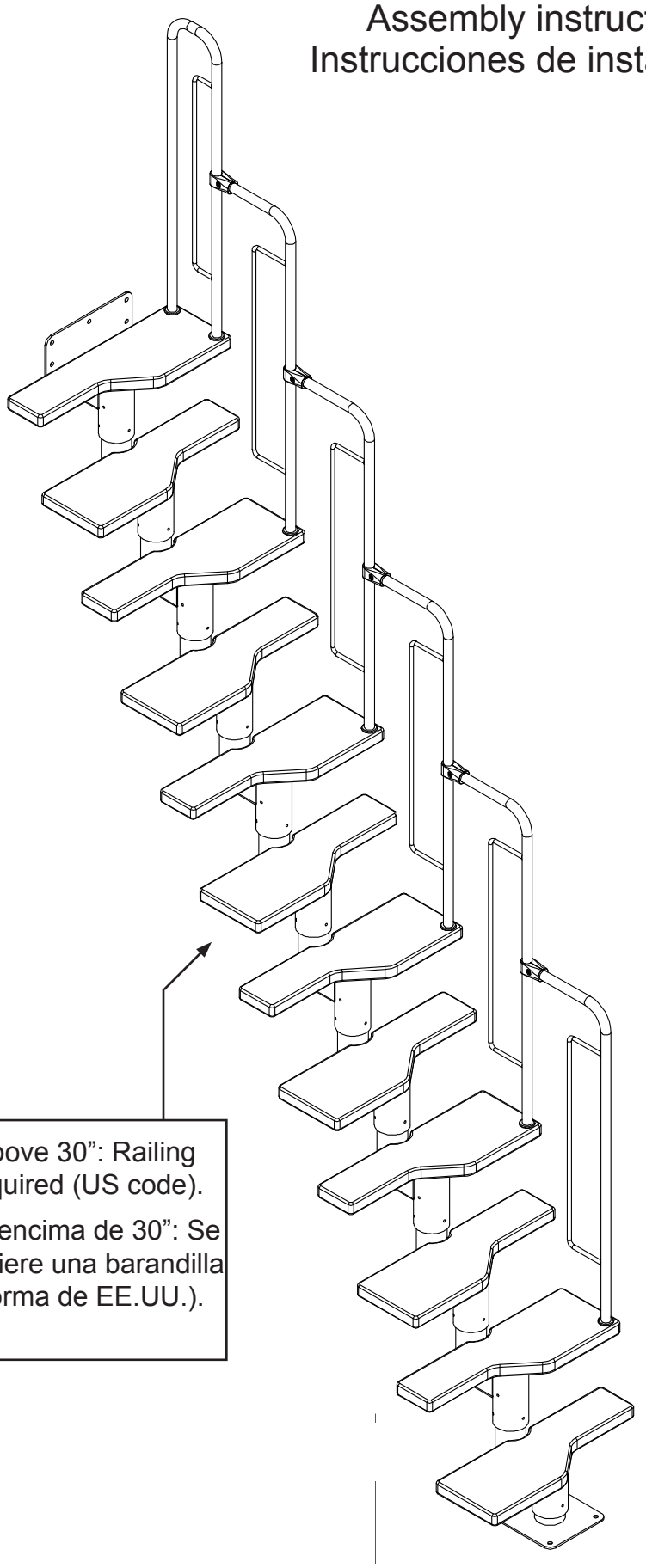
GRAZ

Grey • Gris

Assembly instruction
Instrucciones de instalación



Above 30”: Railing required (US code).

Por encima de 30”: Se requiere una barandilla (norma de EE.UU.).

Mounting videos:
Vídeos de montaje:
www.dolleusa.com

Review these instructions completely before beginning installation.
Questions - call customer service 855-DOLLE US or 763-746-7830 - Monday - Friday 8:00-5:00 central.
Metric tools required.

Revise estas instrucciones en su totalidad antes de iniciar la instalación.
Si tiene alguna pregunta, llame al servicio al cliente al 855-DOLLE desde los EE.UU o al 763-746-7830 de lunes a viernes de 8:00 a 5:00, hora central de los EE.UU. Se necesitan herramientas métricas.

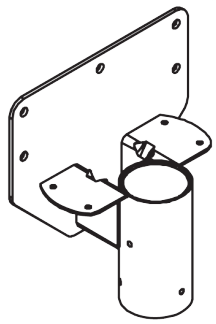
Local building codes vary. Please consult with your local officials for specific requirements.

Las normas de construcción locales pueden variar. Póngase en contacto con los técnicos locales para conocer los requisitos locales.

Components & Number of Each Component
Please check that all items are included before assembly

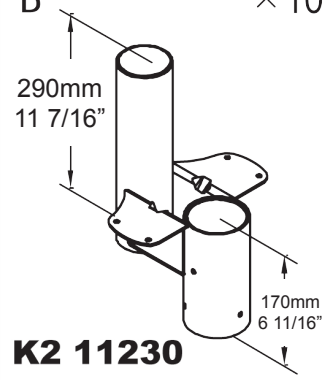
Componentes y Número de cada componente
Verifique que todos los componentes estén incluidos antes de la entrega

A ×1



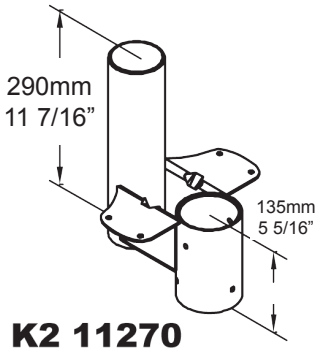
K2 11240

B ×10



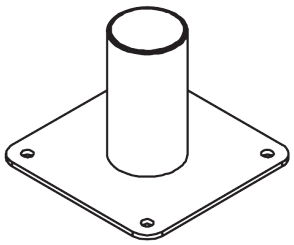
K2 11230

C ×1



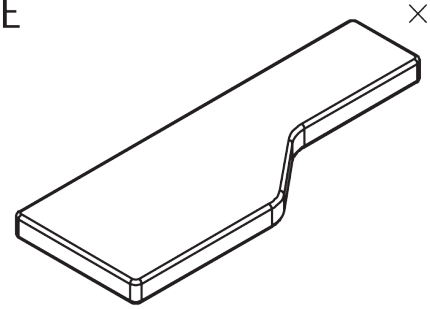
K2 11270

D ×1



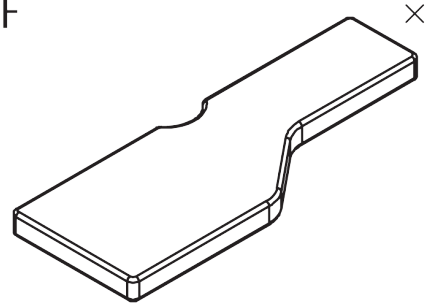
K2 11250

E ×1



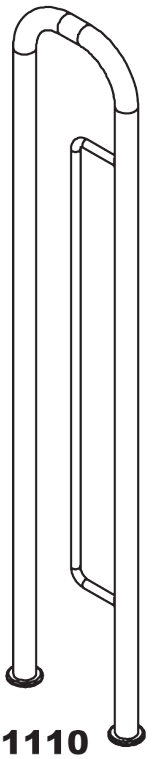
K1 11010

F ×11



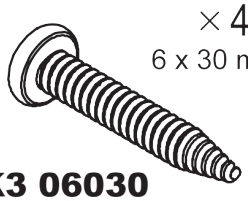
K1 11020

G ×1



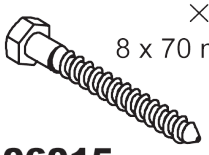
K2 11110

Q ×48
6 x 30 mm



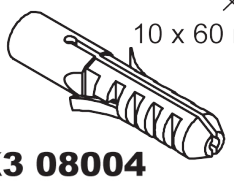
K3 06030

P ×9
8 x 70 mm



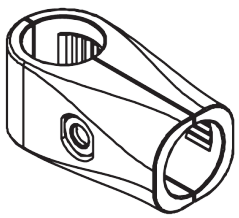
K3 06015

O ×9
10 x 60 mm



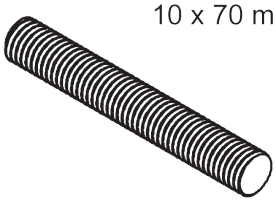
K3 08004

I ×5



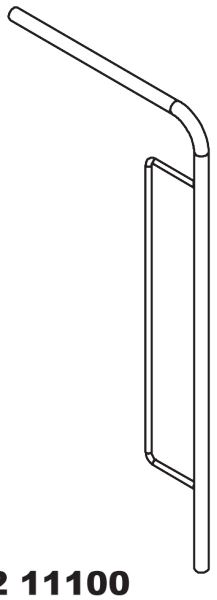
K2 11310

M ×7
10 x 70 mm



K3 07008

H ×5



K2 11100

J ×7

K3 03010 M10 mm

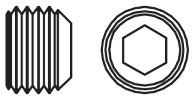
R/S ×1 /×1

K3-10004 /
K3-10006

T ×1

K3 10010

N ×60



K3 05003 M8×6 mm

K ×9

K3 04028 Ø8 mm

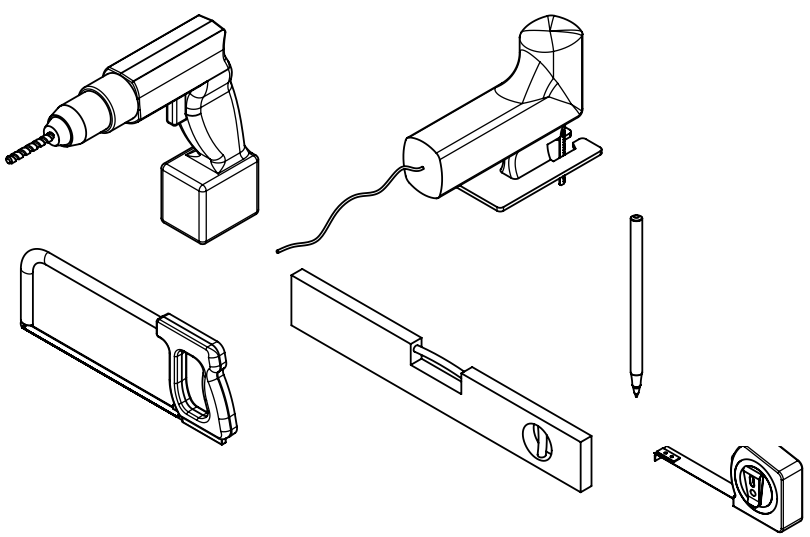
L ×7

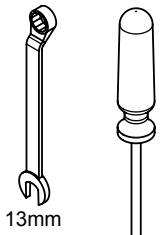
K3 04030 Ø10 mm

IMPORTANT: DO NOT USE PARTS OTHER THAN THOSE INCLUDED WITH THE PRODUCT. REPLACEMENT PARTS PURCHASED LOCALLY MUST BE METRIC. IN CASE PARTS HAVE BEEN LOST OR DAMAGED CONTACT DOLLE USA INC. FOR REPLACEMENT.

IMPORTANTE: NO UTILICE PIEZAS DIFERENTES DE LAS SUMINISTRADAS CON EL PRODUCTO. LAS PIEZAS DE RECAMBIO ADQUIRIDAS POR SEPARADO DEBEN SER MÉTRICAS. EN CASO DE PÉRDIDA DE PIEZAS O DE PIEZAS DAÑADAS, PÓNGASE EN CONTACTO CON DOLLE USA INC

TOOLS REQUIRED - NOT SUPPLIED
HERRAMIENTAS NECESARIAS - NO SUMINISTRADAS





BEFORE INSTALLATION

IMPORTANT

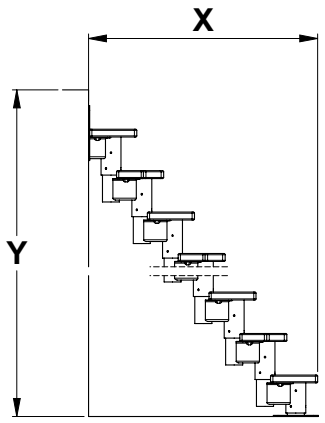
Before starting installation, calculate the exact rise height of each step of the staircase. This is done by measuring the distance from the lower floor to the upstairs floor measuring vertically along the wall and then dividing by the number of rises. The number of rises is the same as the number stair treads plus 1. The plus 1 is to consider distance of the last step of the staircase to the upstairs floor.

BB =

Example: Top edge of floor to top edge of next floor: 102”, 12 rises (11 steps + 1).
102” divided by 12 = 8 ½”. This is the rise height per step.

The opening in the ceiling should not be less than 51 ¼” for straight flights of steps.
This is to ensure that walking up the steps is a comfortable experience.
Recommended rise height: 7 5/16” to 8 1/16”
Maximum rise height: 7 5/16” to 8 1/16”

No. of rises	No. of steps: One less than no. of rises	**X**: Distance from bottom step tread front to wall	**Y**: Vertical measurement of wall - lower floor to upper floor
12	11	63”	87 1/2” – 106 1/4”
13	12	68 1/8”	94 1/2” – 115”



INSTALLATION

Top step element

AA =

Measure (from the top edge of the top floor) the calculated rise height plus the thickness of one step (e.g. step 1 3/8” thick + calculated rise height 8 ½” = 9 11/16”).
This is the installation height for the top edge of the step support.
Please look at page 5 - **BB**: Is the calculated rise height e.g. 8 ½”.

It’s important to support the staircase temporarily during installation to prevent the weight of the stairs to skew the riser measurements before fastening the lowest column support to the floor - please see page 6.
NOTICE: VERY IMPORTANT - Staircase is to be assembled from the top floor down.

NOTICE: VERY IMPORTANT - WHEN MOUNTING OUTSIDE BANISTER
If the staircase is mounted with a turn, please note that the distance between the banister elements may vary from 5 5/16” to 13 9/16” when mounting the outside banister.

PROCEDIMIENTOS PREVIOS A LA INSTALACIÓN

IMPORTANTE

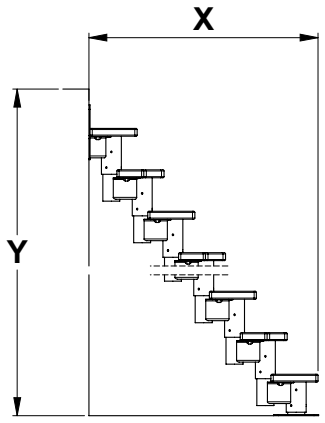
Antes de iniciar la instalación, calcule la altura exacta de cada peldaño de la escalera. Esta distancia se calcula midiendo verticalmente la distancia desde el piso inferior hasta el piso superior a lo largo de la pared y dividiendo el resultado por el número de elevaciones. El número de elevaciones es el mismo que el número de peldaños más 1, ya que se tiene en cuenta la distancia del último peldaño de la escalera hasta el piso superior.

BB =

Ejemplo: Borde superior del suelo hasta el borde superior del piso de arriba: 102”, 12 elevaciones (11 peldaños + 1).
259 cm dividido por 12 = 8 1/2”. Esta es la altura de elevación por paso.

La abertura en el techo no debe ser inferior a 51 1/4” para peldaños rectos.
Esto garantiza la comodidad a la hora de subir los peldaños.
Altura de elevación recomendada: 7 5/16” a 8 1/16”
Altura de elevación máxima: 7 5/16” a 8 1/16”

Nº. de elevaciones	Nº. de peldaños Uno menos el n.º de elevaciones	**X:** Distancia desde elstep peldaño inferior frontal a la pared	**Y**: Medida vertical de la pared - piso inferior a piso superior
12	11	63”	87 1/2” – 106 1/4”
13	12	68 1/8”	94 1/2” – 115”



INSTALACIÓN

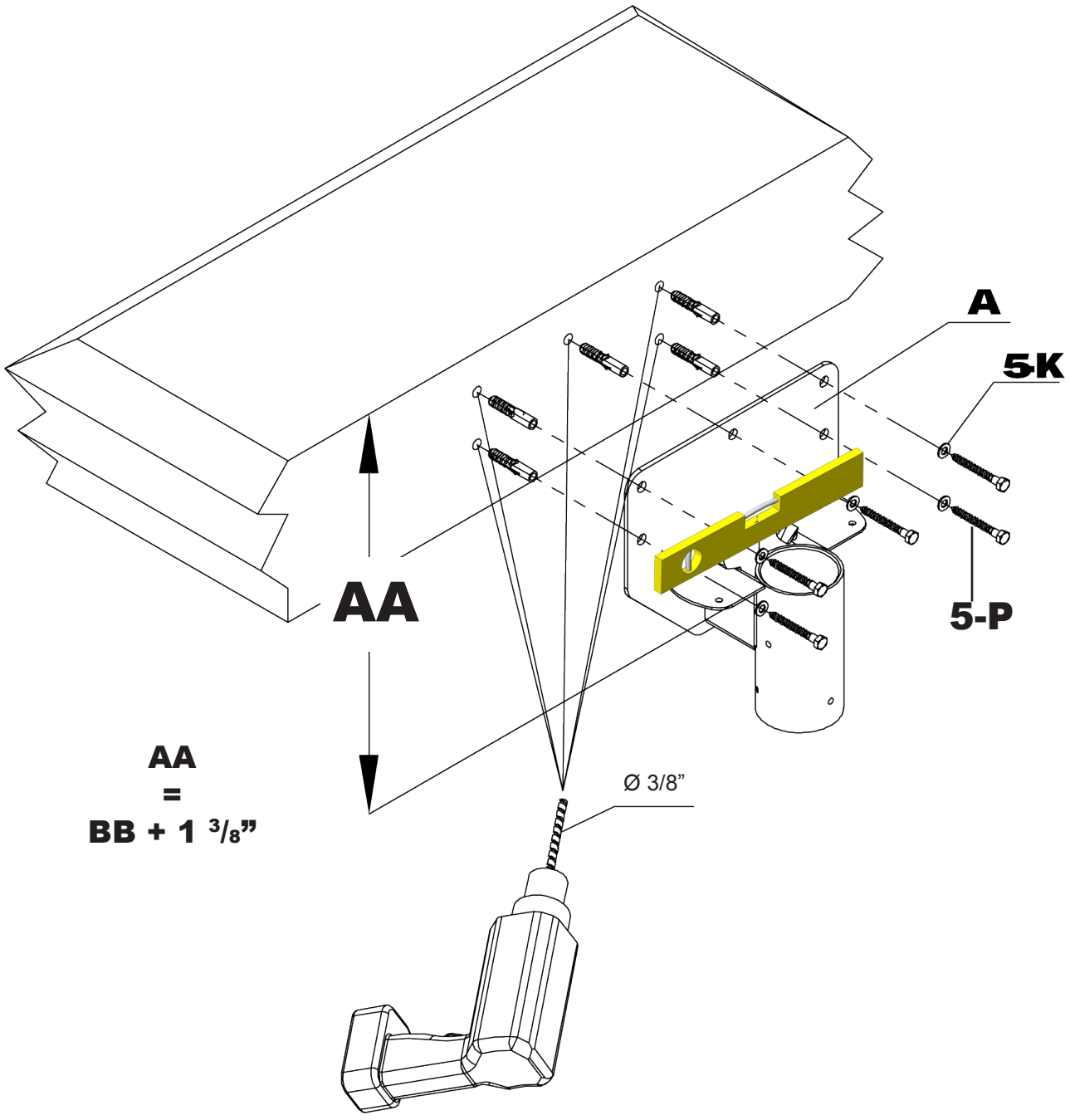
Elemento del peldaño superior

AA =

Medir (desde el borde superior del piso superior) la altura de elevación calculada más el grosor de un peldaño (ej.: peldaño con un grosor de 1 3/8” + altura de elevación calculada 8 1/2” = 9 11/16”).
Esta es la altura de instalación del borde superior del soporte del peldaño.
Véase la página 5 - BB: Altura de elevación calculada, ej.: 8 1/2”

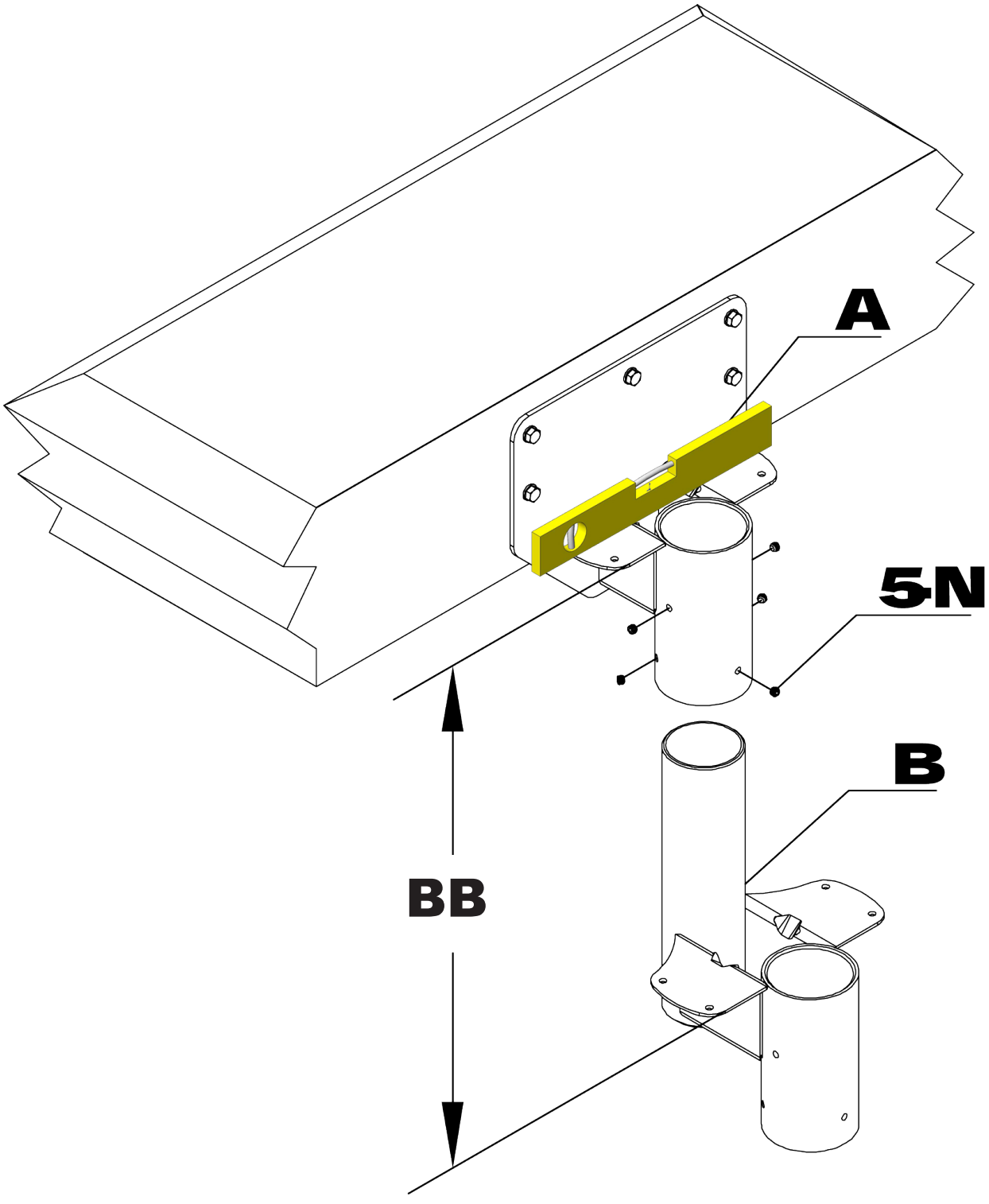
Es importante apoyar provisionalmente la escalera durante la instalación para evitar que el peso de la escalera modifique las mediciones del contrapeldaño antes de fijar el soporte de la columna inferior al suelo (véase la página 6).
AVISO - MUY IMPORTANTE: La escalera debe montarse desde el piso superior hacia abajo.

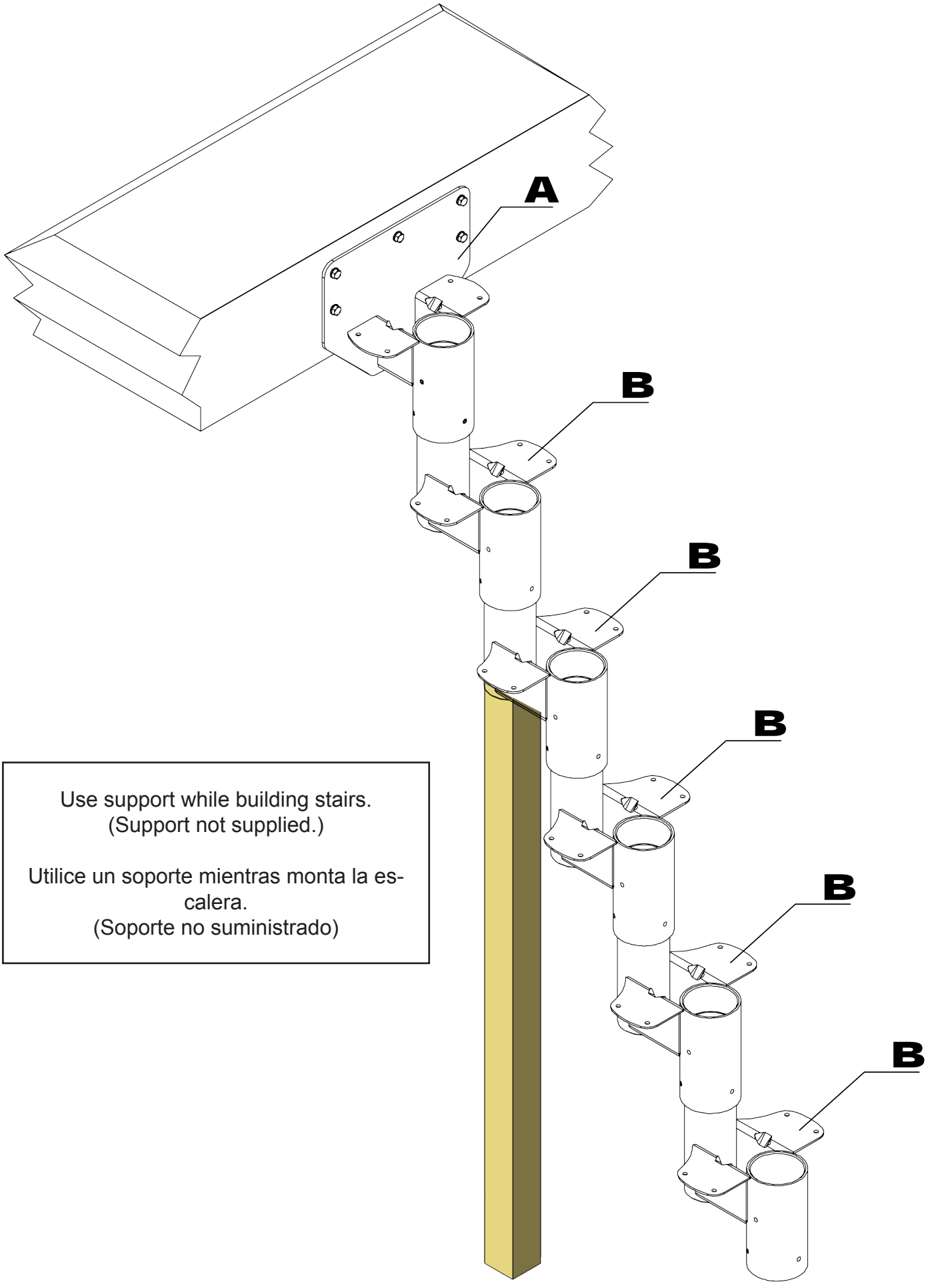
AVISO - MUY IMPORTANTE: MONTAJE DE LA BARANDILLA EXTERIOR
Si la escalera se monta con una vuelta, tenga en cuenta que la distancia entre los elementos de la barandilla puede variar entre 5 5/16” a 13 9/16” cuando se monte la barandilla exterior.



Note
Installers responsibility to ensure adequate backing material is in place.

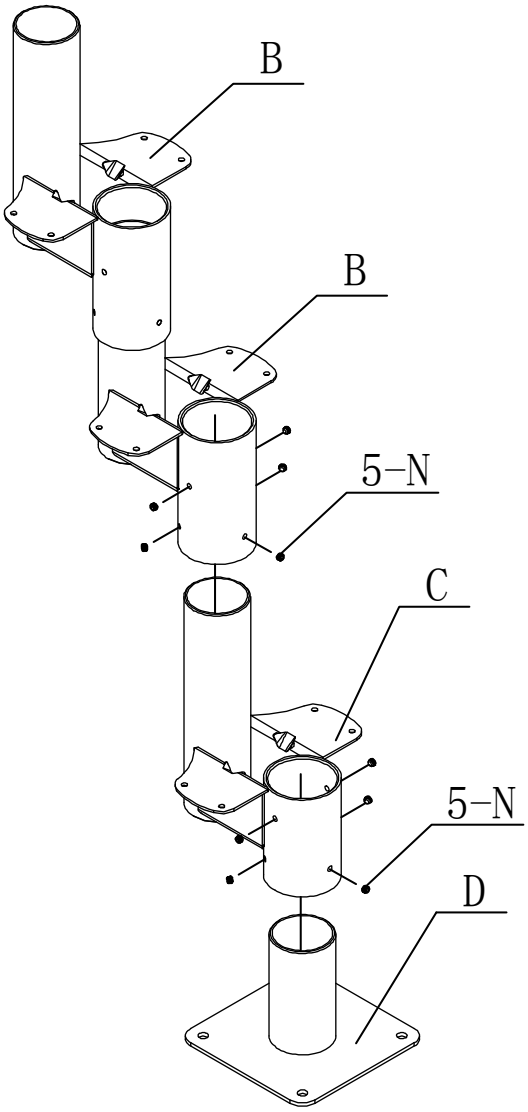
Nota
Los instaladores deben asegurarse de garantizar el montaje de un soporte adecuado.

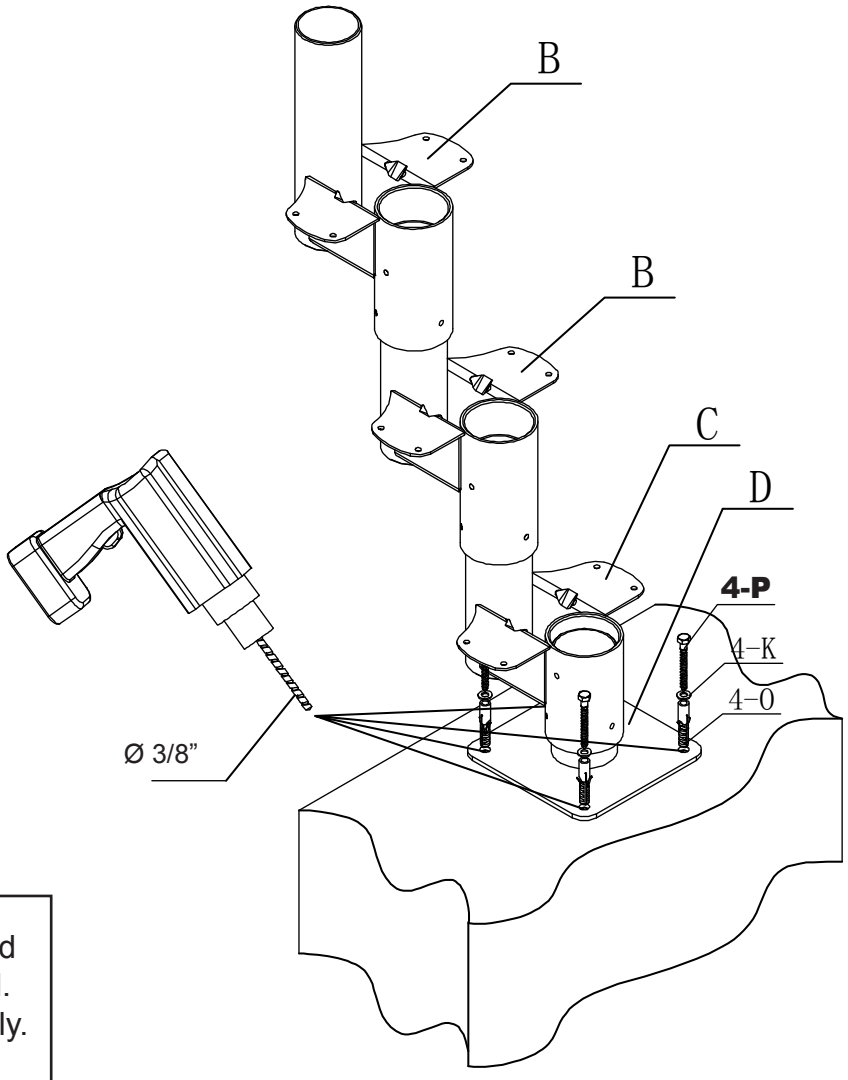

A
5N
B
BB



Use support while building stairs.
(Support not supplied.)

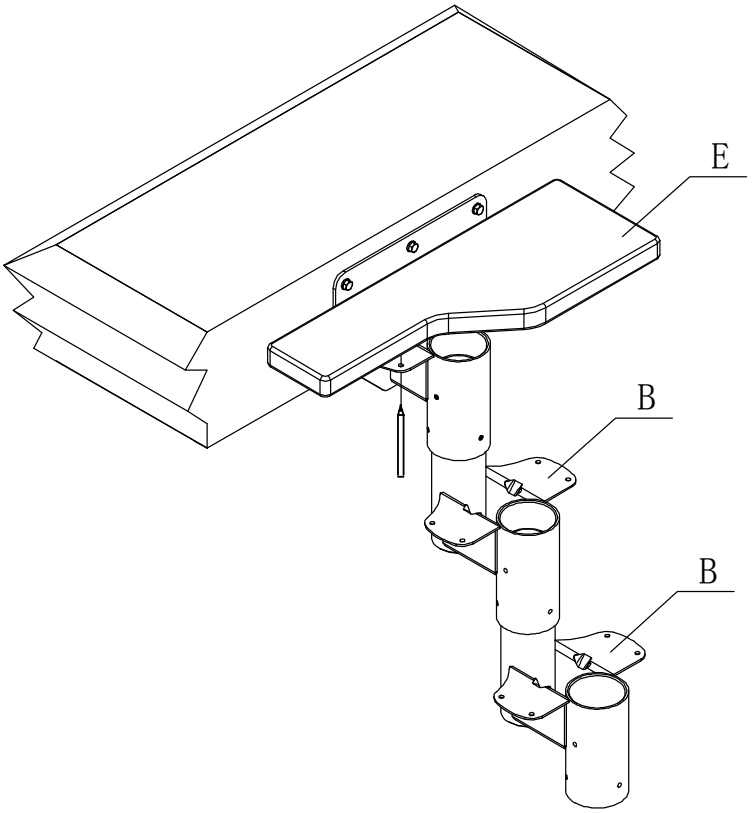
Utilice un soporte mientras monta la escalera.
(Soporte no suministrado)





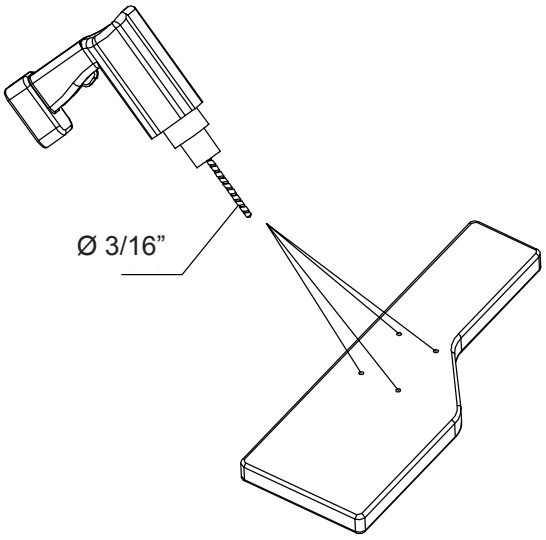
Install base into floor with screws and anchors depending on floor material. Anchor sleeves (4-O) for concrete only. Once completed, remove support.

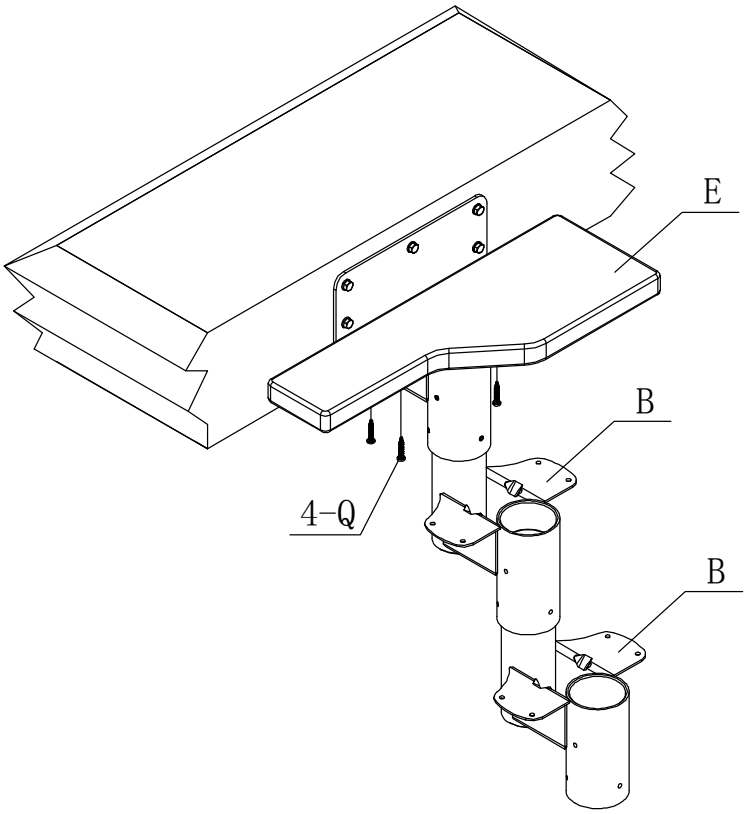
Instale la base en el suelo con los tornillos y anclajes según el material del suelo. Sólo vainas de anclaje (4-O) para hormigón. Una vez que se haya completado la instalación, retire el soporte.

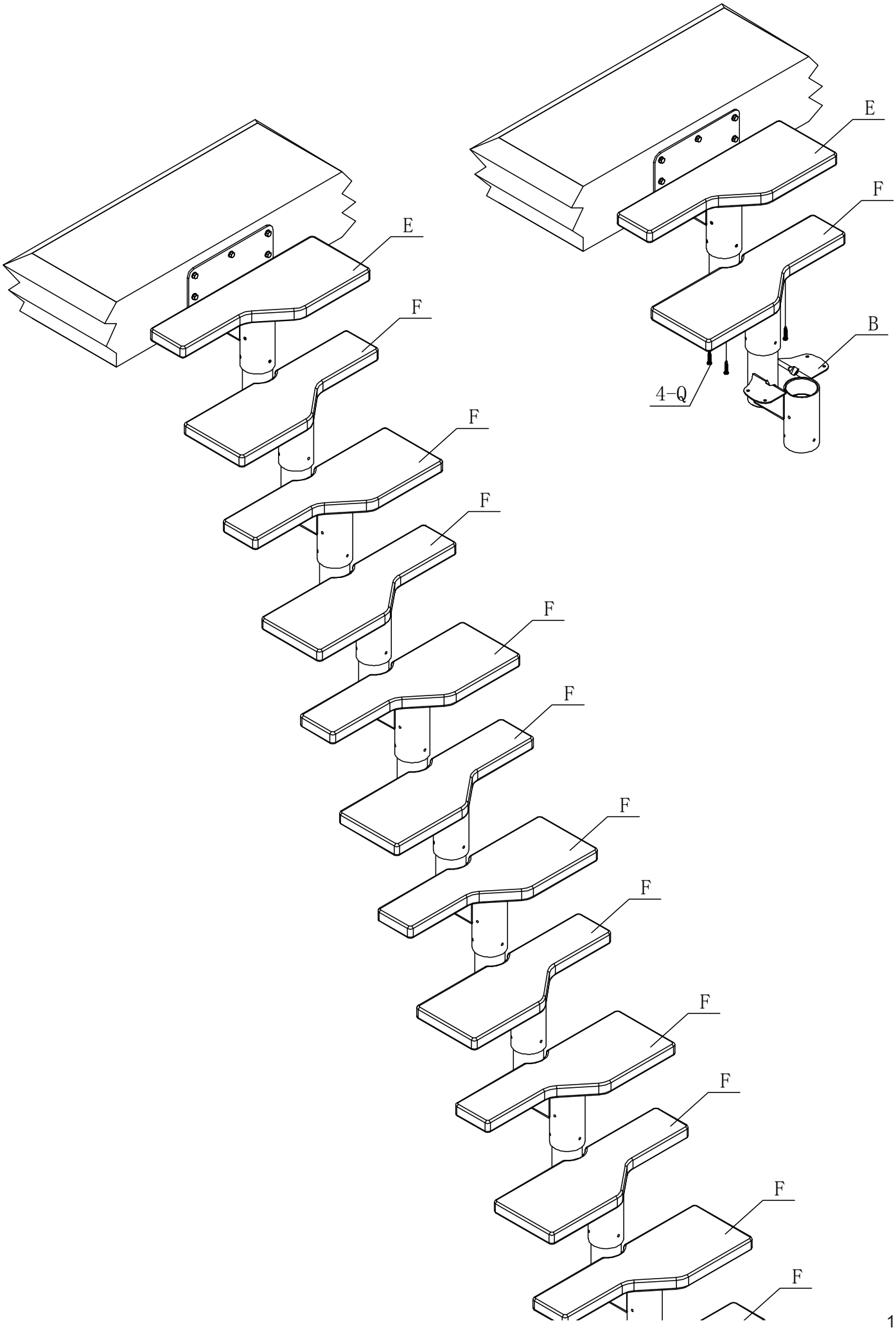


Mark where to drill holes on bottom of each tread.
Screw treads into center column supports.
Always use 4 screws.

Marque los lugares donde vaya a taladrar los orificios en la parte inferior de cada peldaño.
Enrosque los peldaños en los soportes de la columna central.
Utilice siempre los 4 tornillos.






E
F
F
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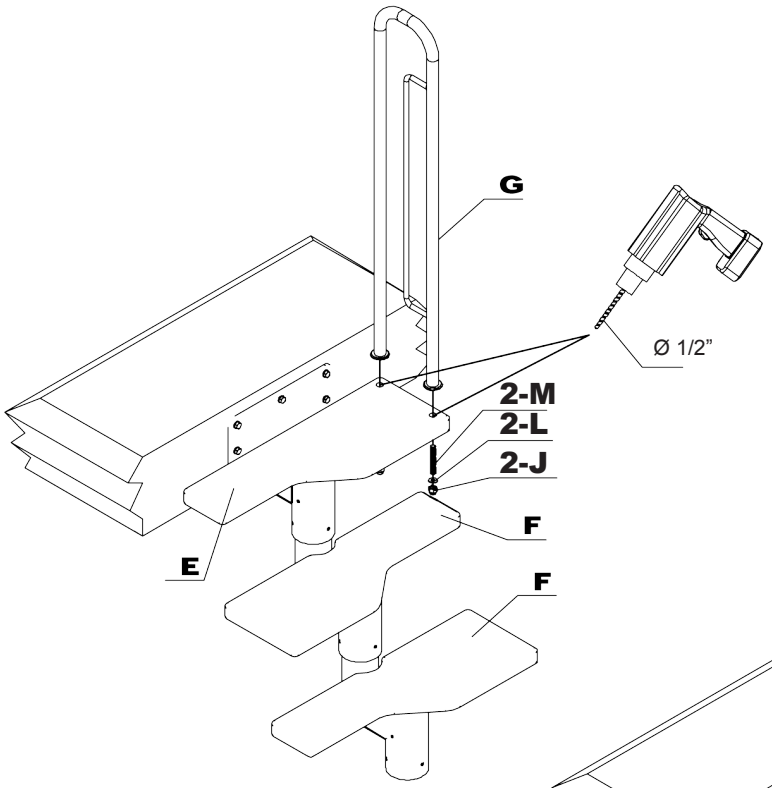
B
4-Q

1

Start banister on top tread.

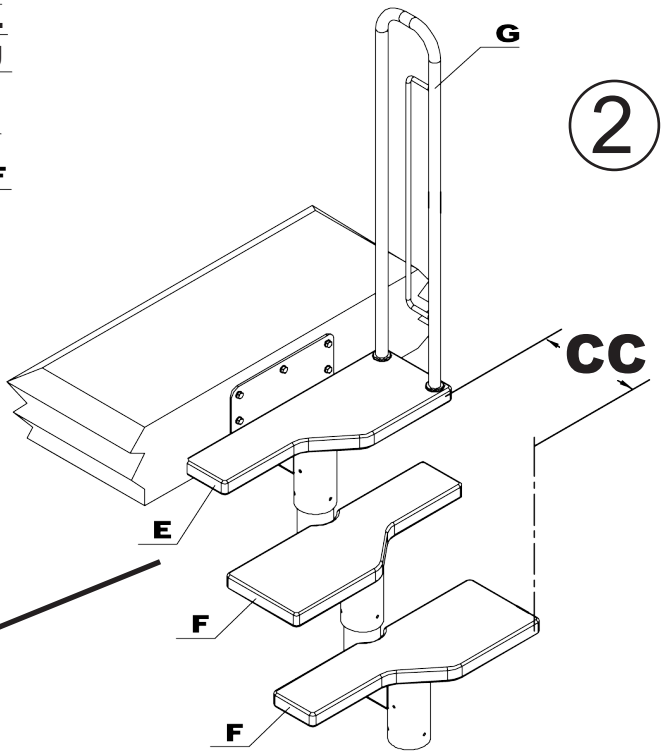
Empiece la barandilla por el peldaño superior.



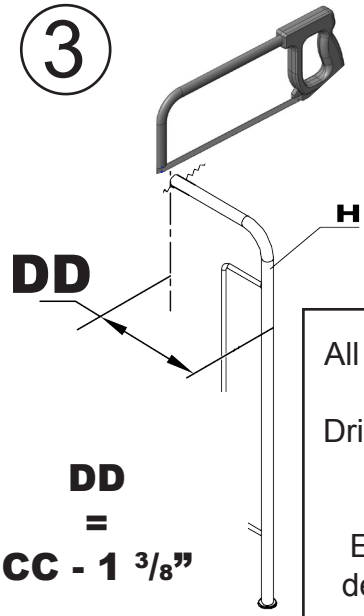
Measure distance of top tread and cut banister to appropriate length - **CC**.

Mida la distancia del peldaño superior y corte la barandilla a la longitud adecuada - **CC**.

2



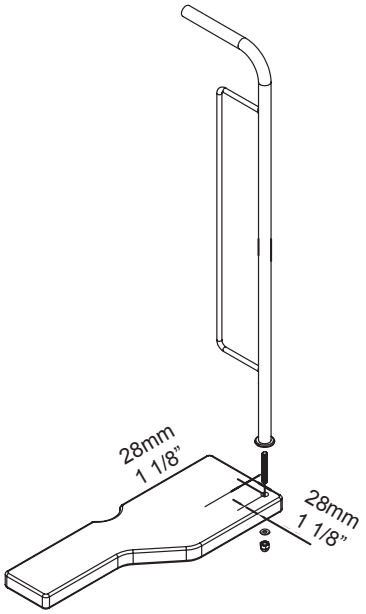
3

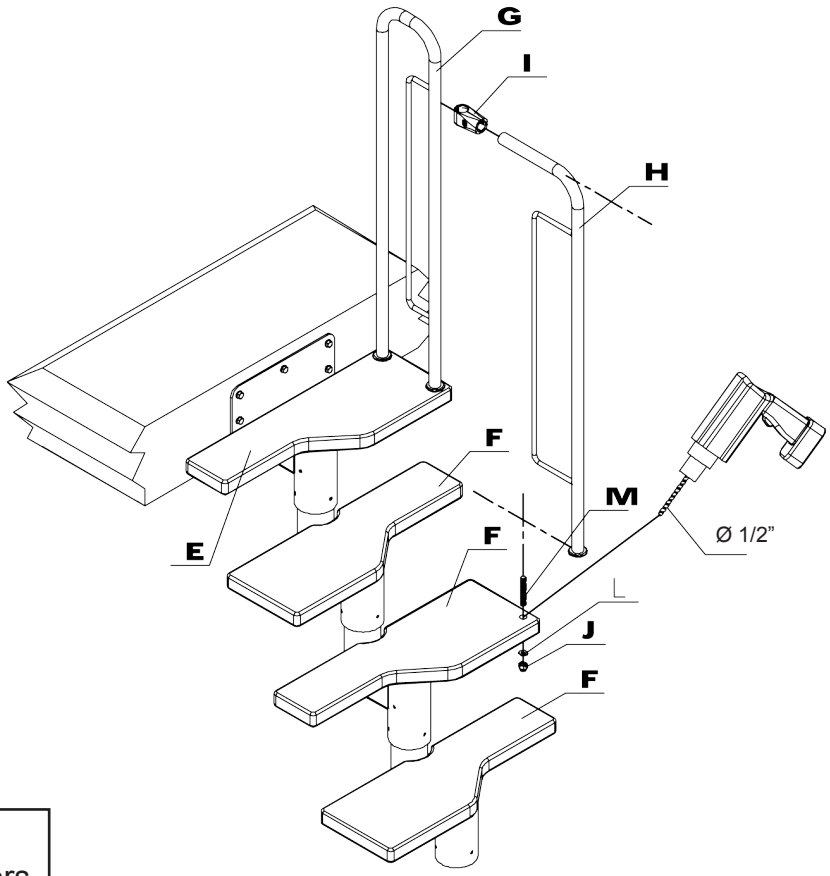


DD
=
CC - 1 3/8”

All banisters except the top, take the measurement of CC and reduce it by 1 3/8” (per DD) to cut handrail to the proper length.
Drill holes in tread 1 1/8” from front and 1 1/8” edge of tread and install top banister.

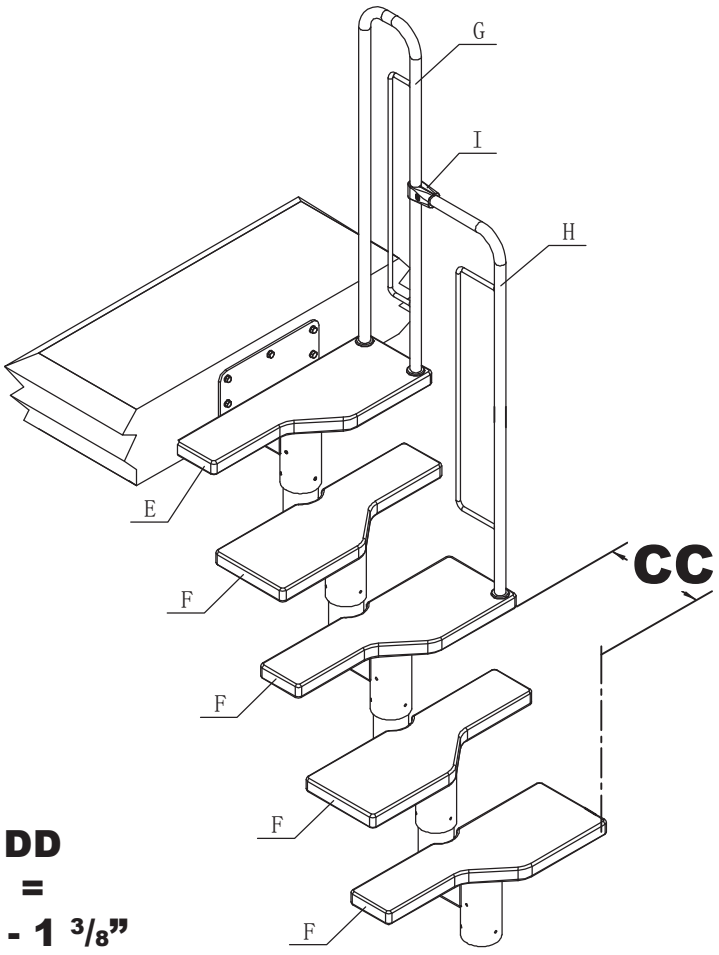
En todas las barandillas, excepto la superior, se debe tomar la medida de CC y reducirla en 1 3/8” (DD) para cortar el pasamanos a la longitud adecuada.
Taladre orificios en el peldaño 1 1/8” desde la parte delantera y a 1 1/8” del borde del peldaño, e instale la barandilla superior.

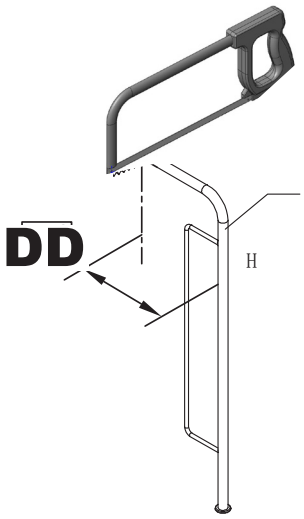




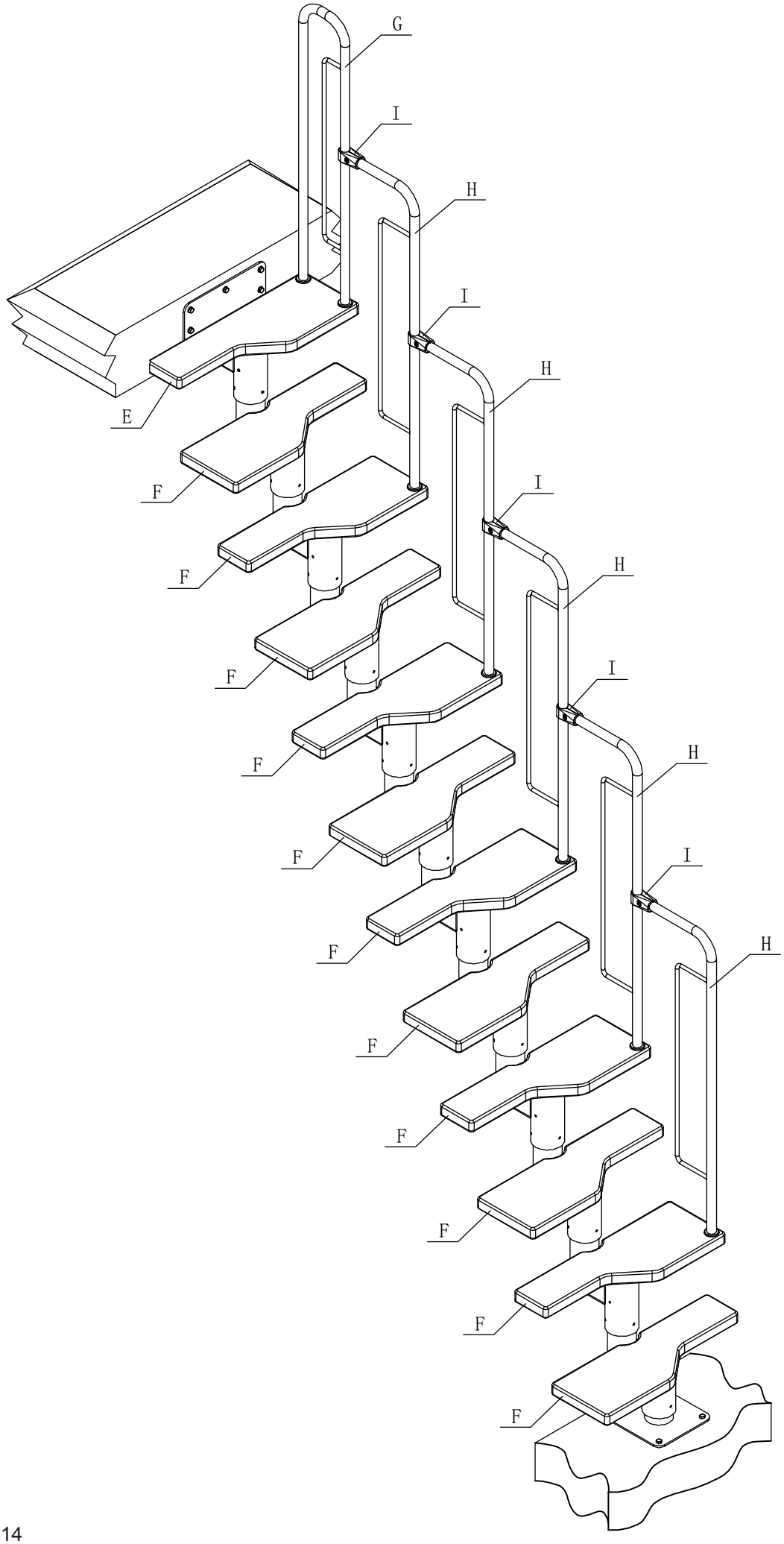
Install remaining lower banisters in same method as above.
Following **DD** instructions.

Instale las barandillas inferiores restantes
siguiendo el mismo método descrito anteriormente.
Siga las instrucciones para **DD**.





DD
=
CC - 1 3/8”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